

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/008989

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F01N7/14 F01N3/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/50688 A (MINNESOTA MINING & MFG) 12 November 1998 (1998-11-12) cited in the application page 3, lines 7-10	1,5,6,8, 10,12, 13,17,18 2-4, 14-16
Y	page 7, lines 11-15,19-23,28-31 page 9, lines 1,5-7,12-17 page 10, lines 10-12,26-28 page 11, line 2; figures 1-3	
Y	US 5 290 522 A (ROGERS JOHN J ET AL) 1 March 1994 (1994-03-01) column 1, lines 49-63; figure 2	2-4, 14-16
X	DE 36 42 714 A (WITZENMANN METALLSCHLAUCHFAB) 16 June 1988 (1988-06-16) column 2, lines 15-31; figures 1,3,5	1,6,7,9, 11,12
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 149 992 A (EBERSPAECHER J GMBH & CO) 31 October 2001 (2001-10-31) page 3, paragraph 25-27; figure 1	1,7, 10-12
X	US 5 419 127 A (MOORE III DAN T) 30 May 1995 (1995-05-30) column 1, lines 52-61 column 2, lines 1-4,50,51 column 5, lines 55-62 column 6, lines 1-17; figure 4	1,9,12
X	DE 37 20 714 A (GRUENZWEIG & HARTMANN MONTAGE ;DAIMLER BENZ AG (DE)) 5 January 1989 (1989-01-05) column 3, lines 42,45-47,50-53 figures 1,7	1,12
Y	US 4 305 992 A (MARLOR ALAN J ET AL) 15 December 1981 (1981-12-15)	1,5, 7-13,17, 18
A	column 2, lines 42-44,49-60,65,68 column 3, lines 7-11,16	4,16
Y	US 3 991 254 A (TAKEUCHI YUKIHISA) 9 November 1976 (1976-11-09)	1,5, 7-13,17, 18
A	column 1, line 67 - column 2, line 6 column 3, lines 40-52 column 4, lines 5,6; figures 5,8-15	4,16
X	US 5 697 215 A (FOUQUEMBERGH MICHEL ET AL) 16 December 1997 (1997-12-16)	1,9,12
A	column 4, lines 14-18,24-26; figure 1	3,8

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Information on patent family members

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